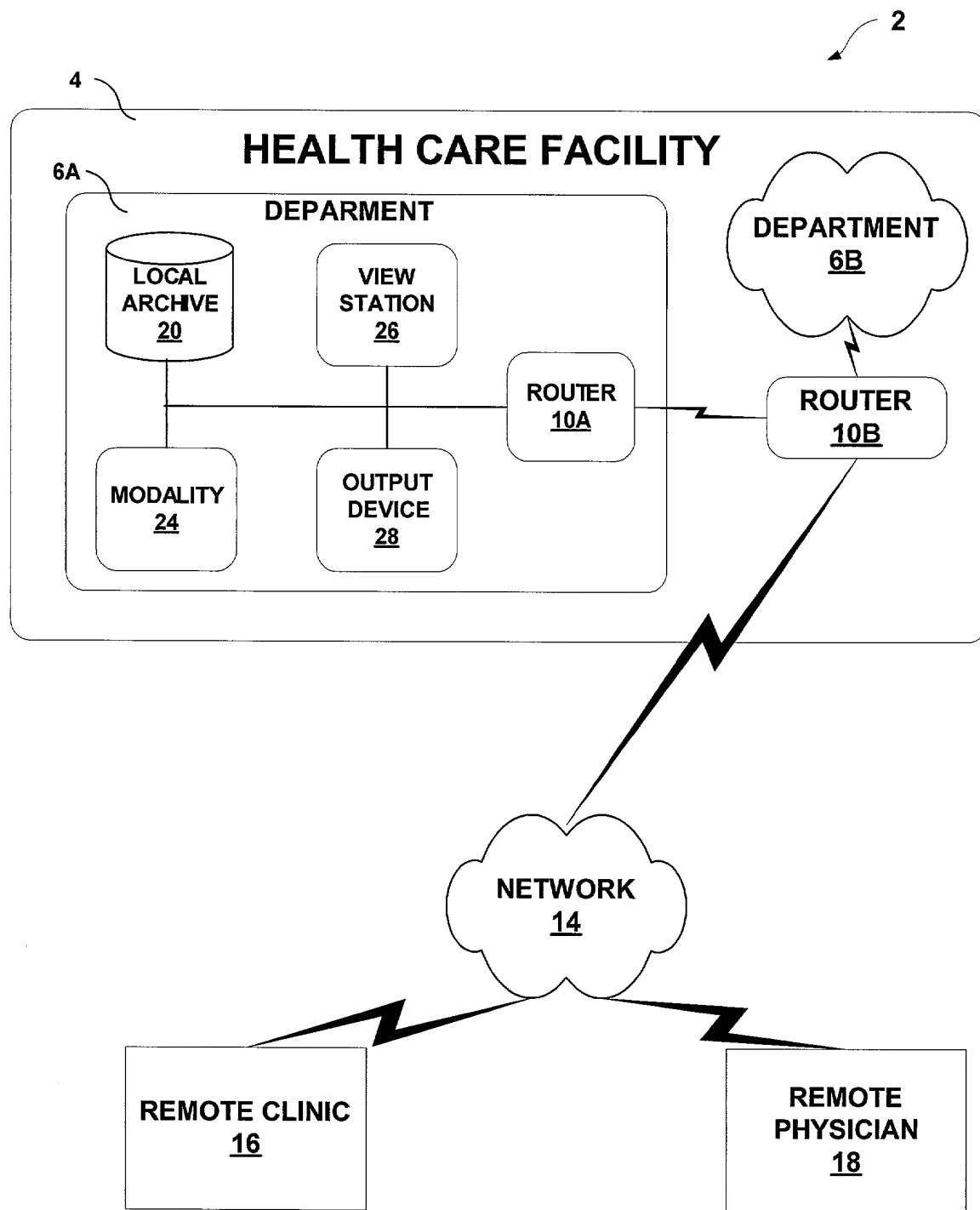
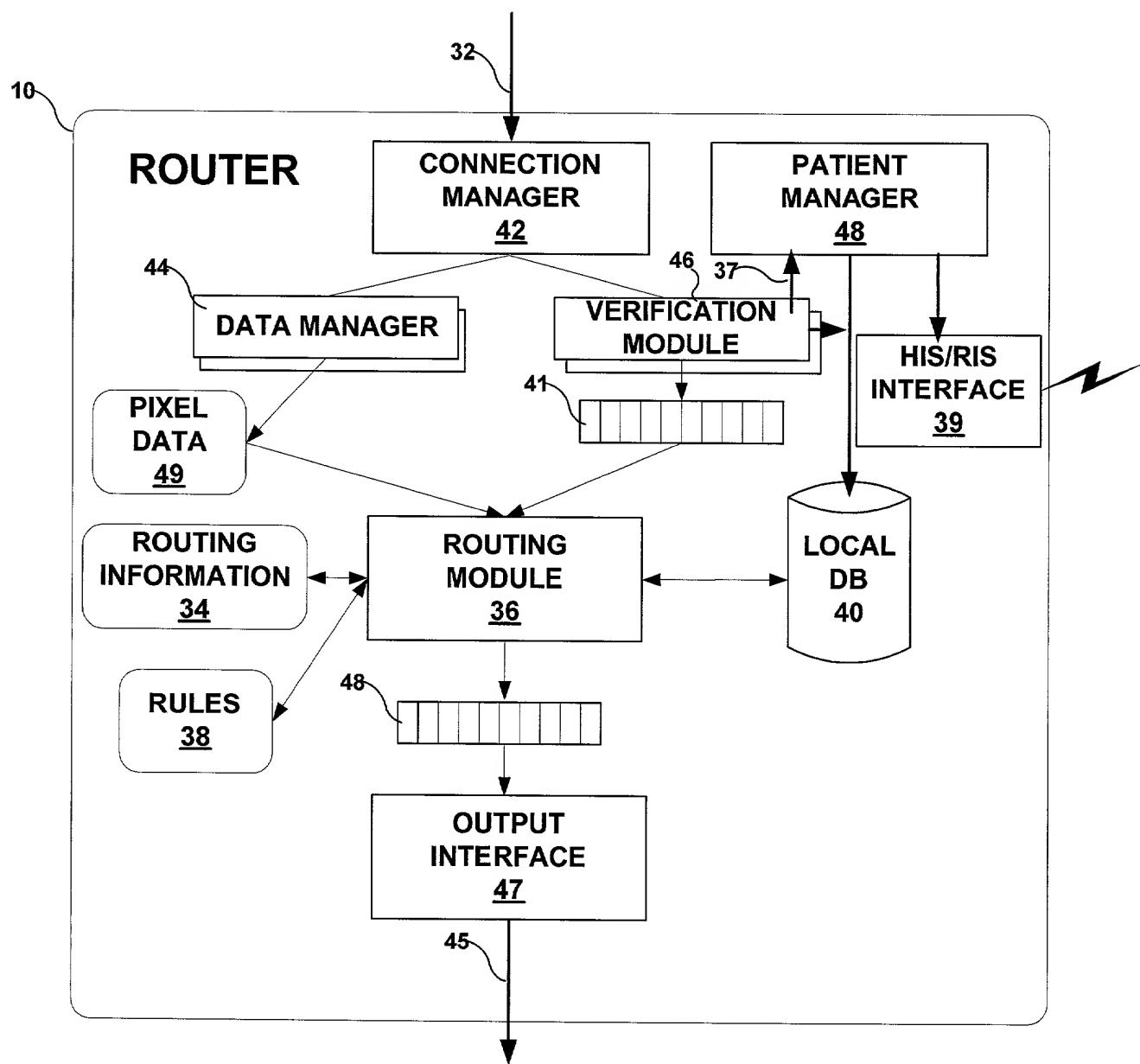


FIG. 1



**FIG. 2**



**FIG.3**

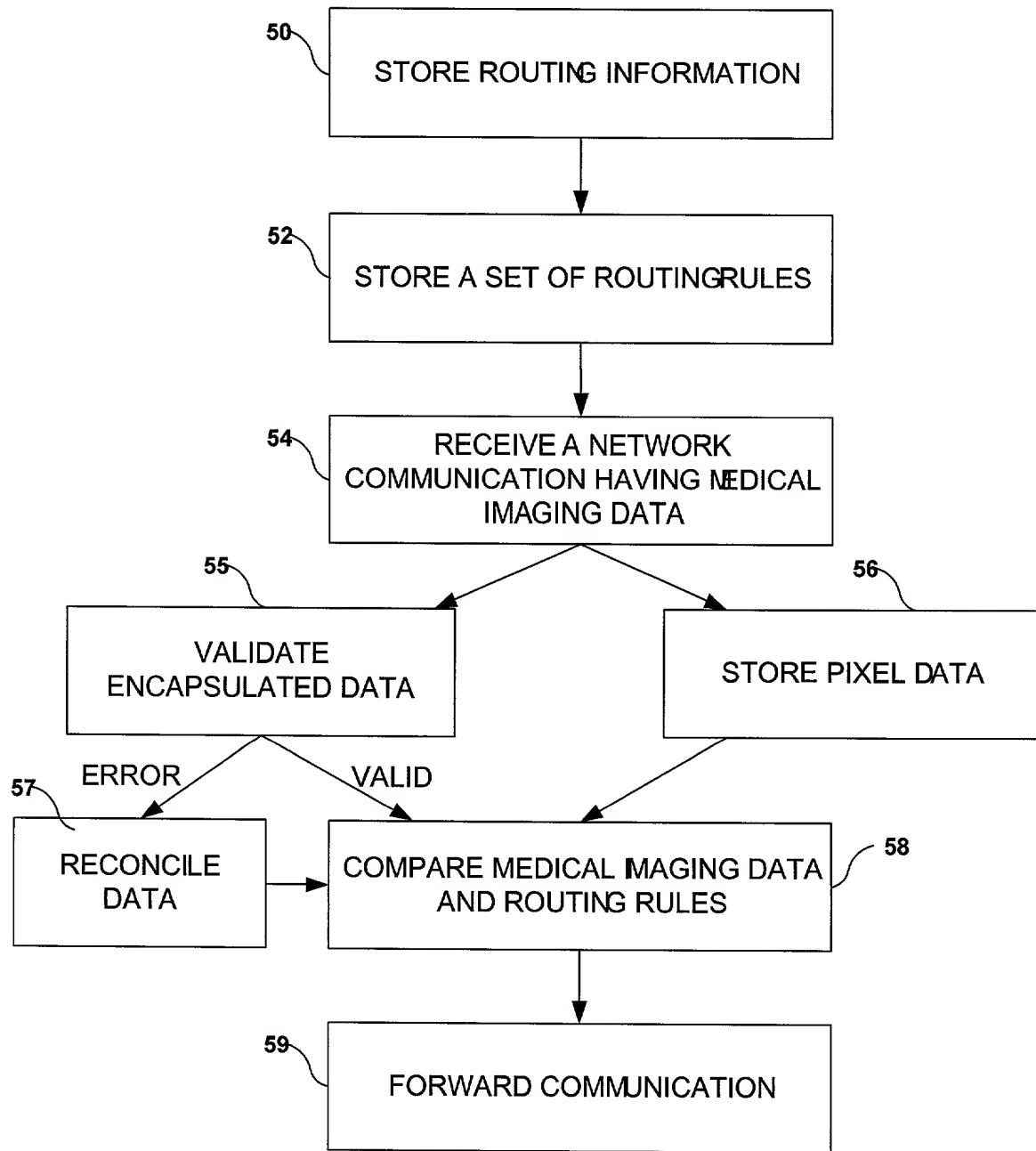
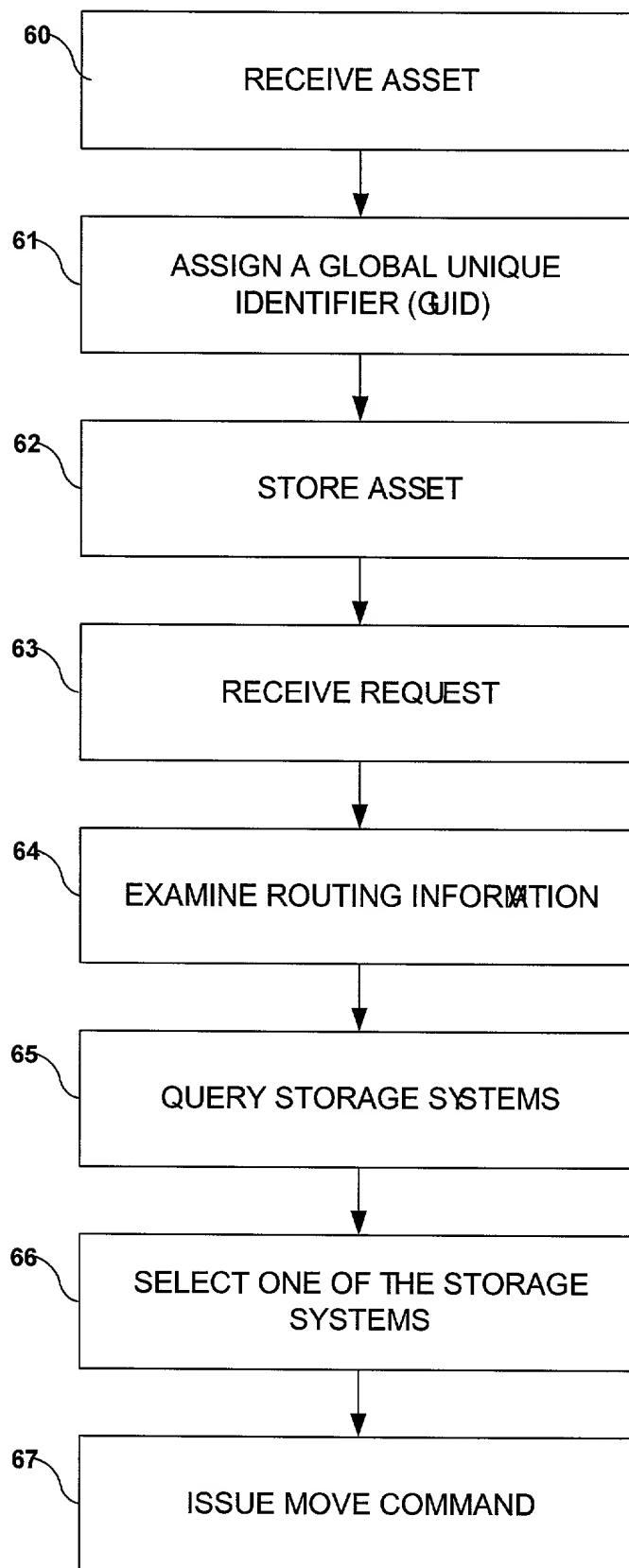


FIG. 4



**FIG. 5**

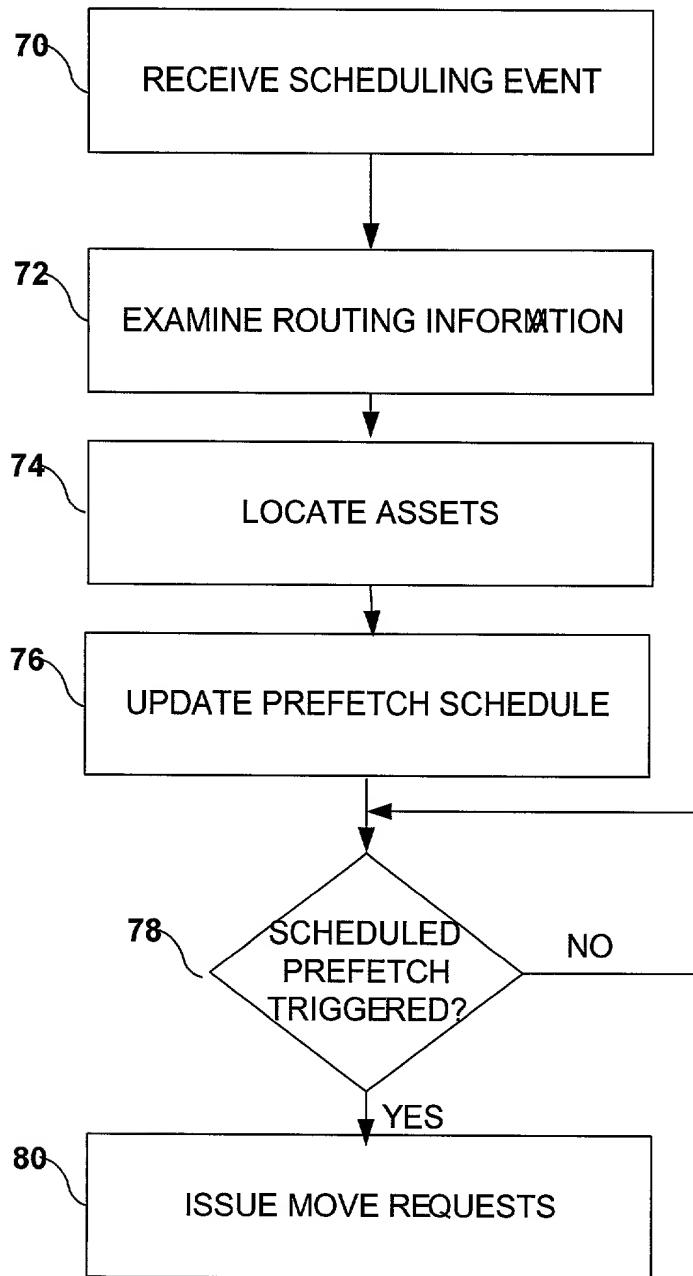


FIG. 6

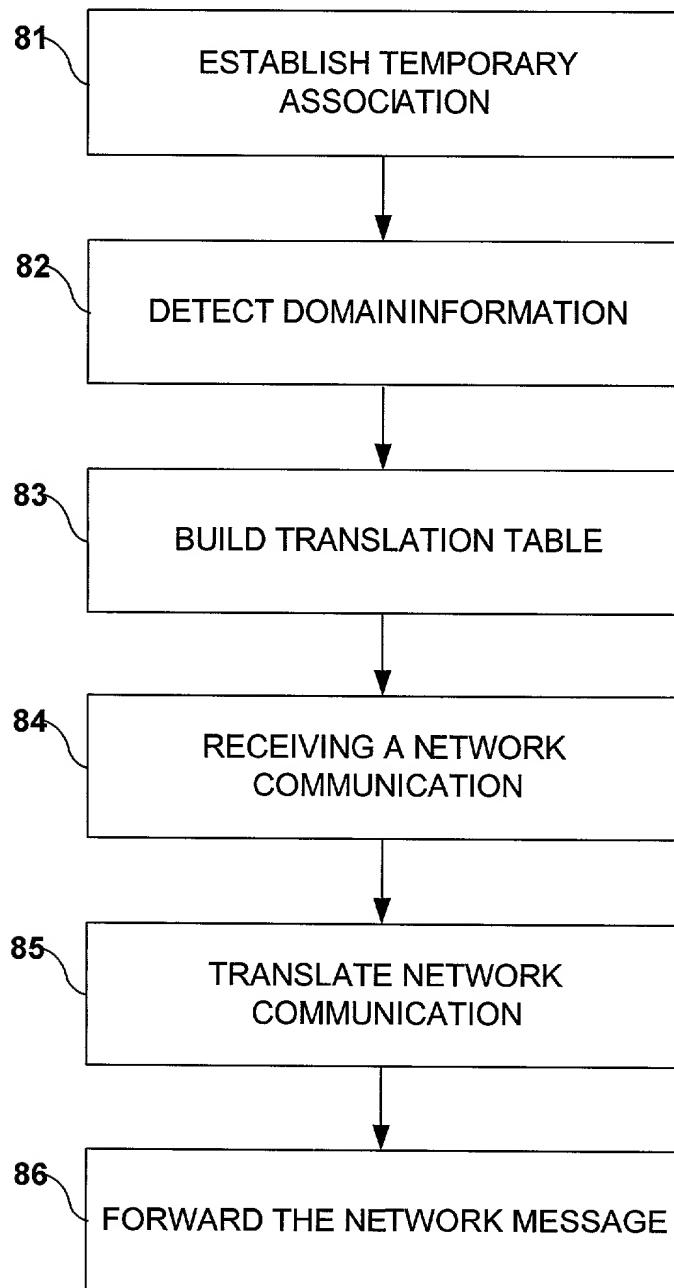
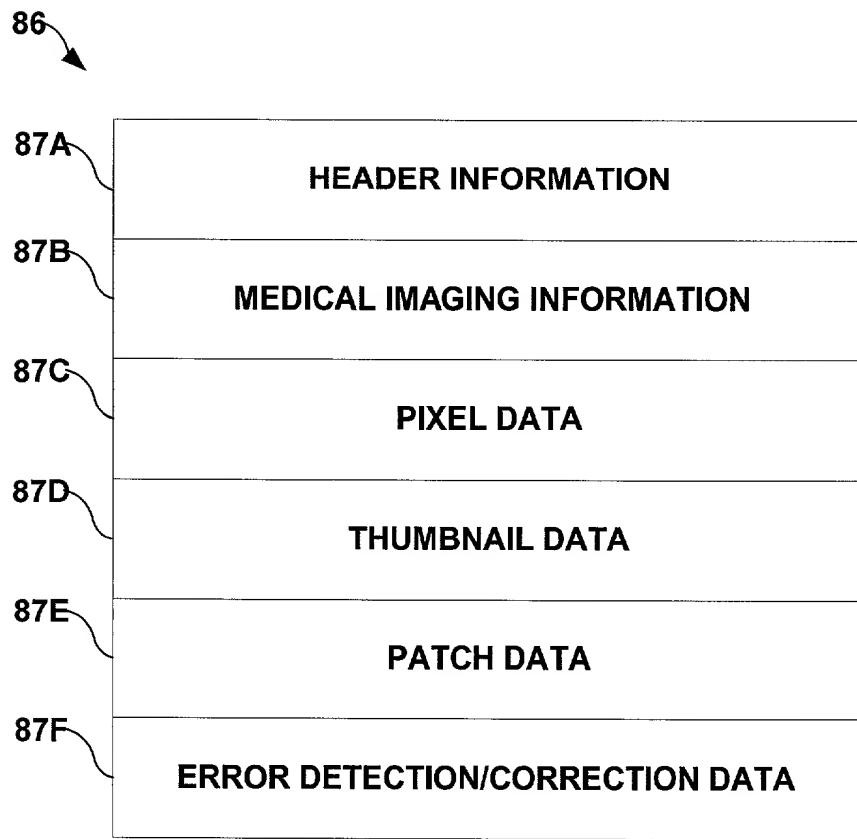


FIG. 7

## STORAGE INTERCHANGE FORMAT



**FIG. 8**

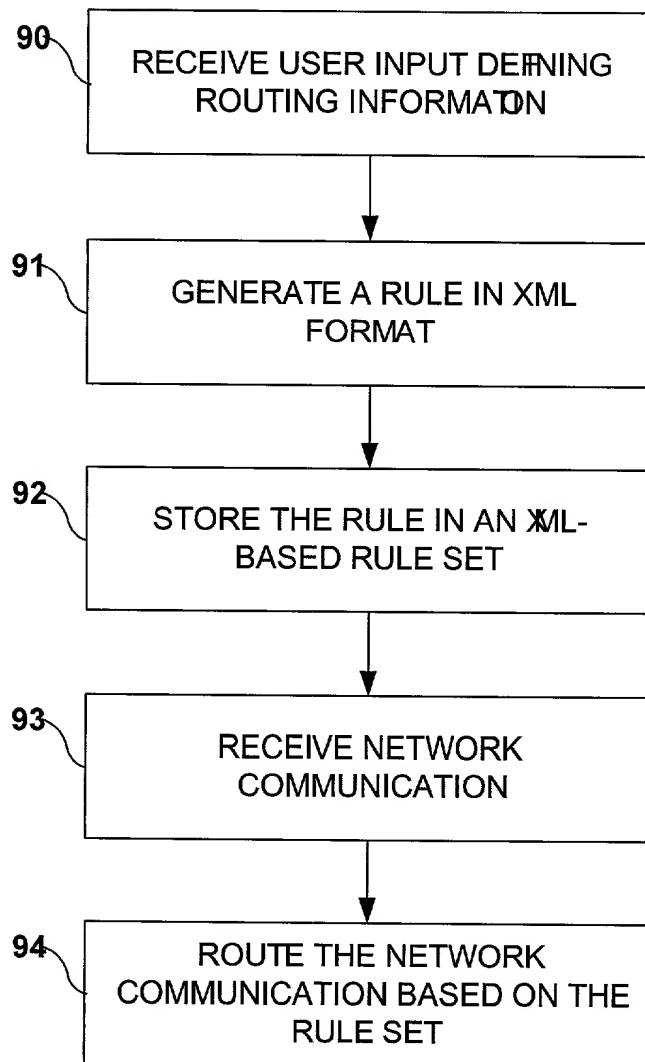
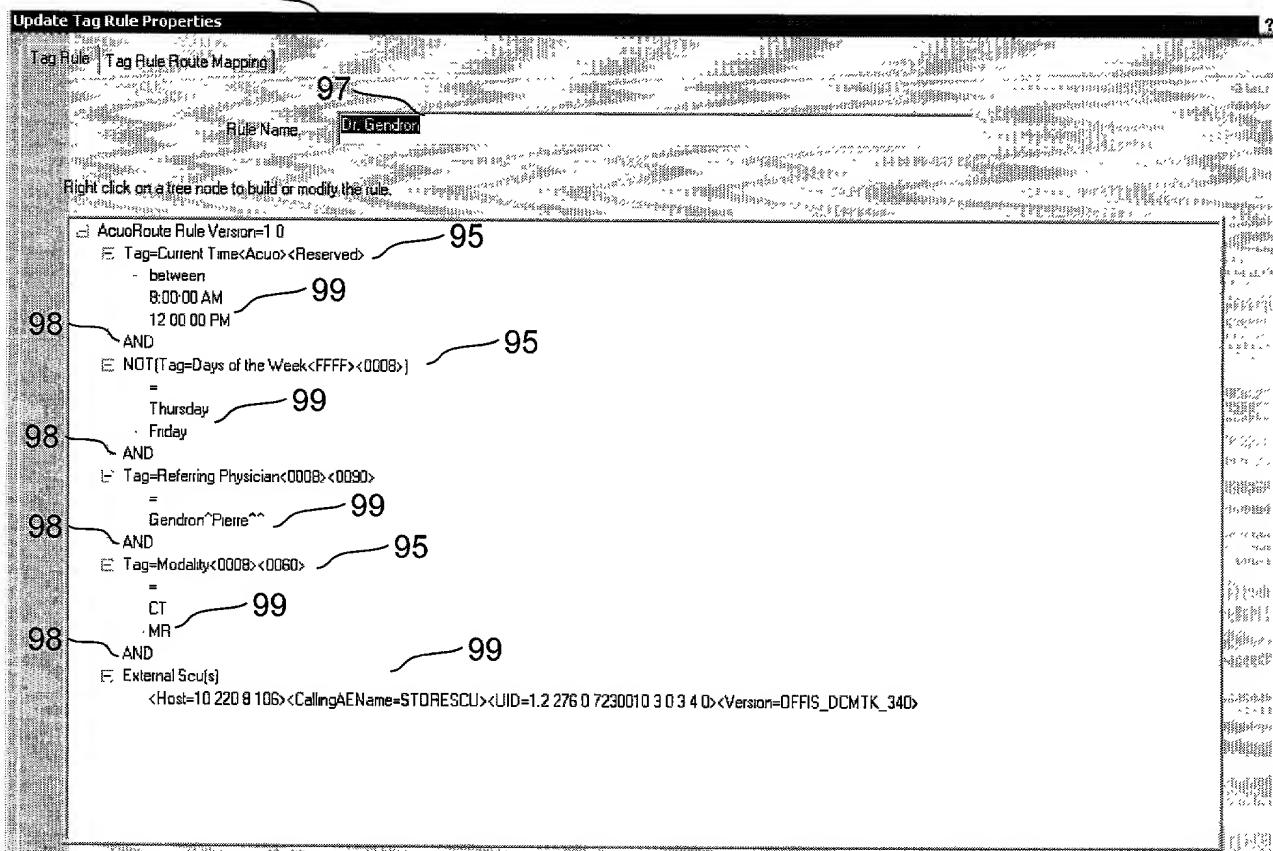


FIG. 9

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**FIG. 10**

APPLICANT: DAVID GENDRON ET AL.  
TITLE: ROUTING AND STORAGE OF MEDICAL IMAGES  
ATTORNEY/AGENT: KENT J. SIEFFERT  
REG. NO. 41,312 TELEPHONE: 651.735.1100  
DOCKET NO.: 1027-001US01 SHEET 11 OF 20

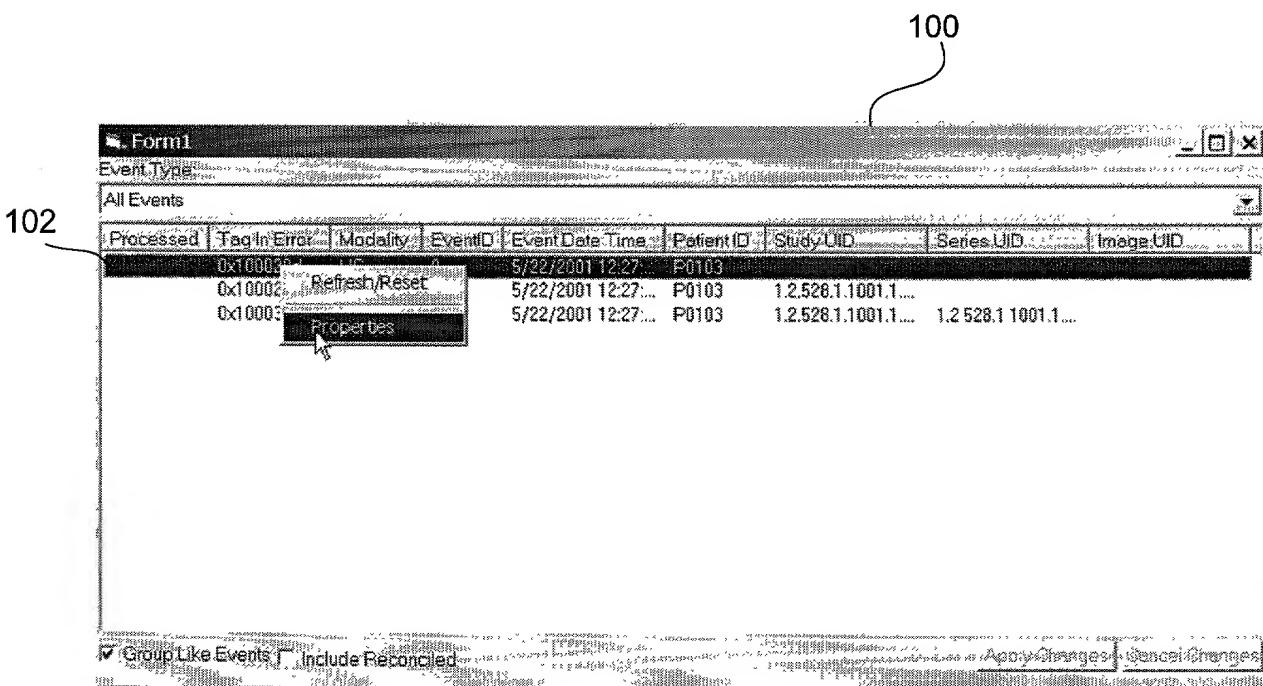


FIG. 11

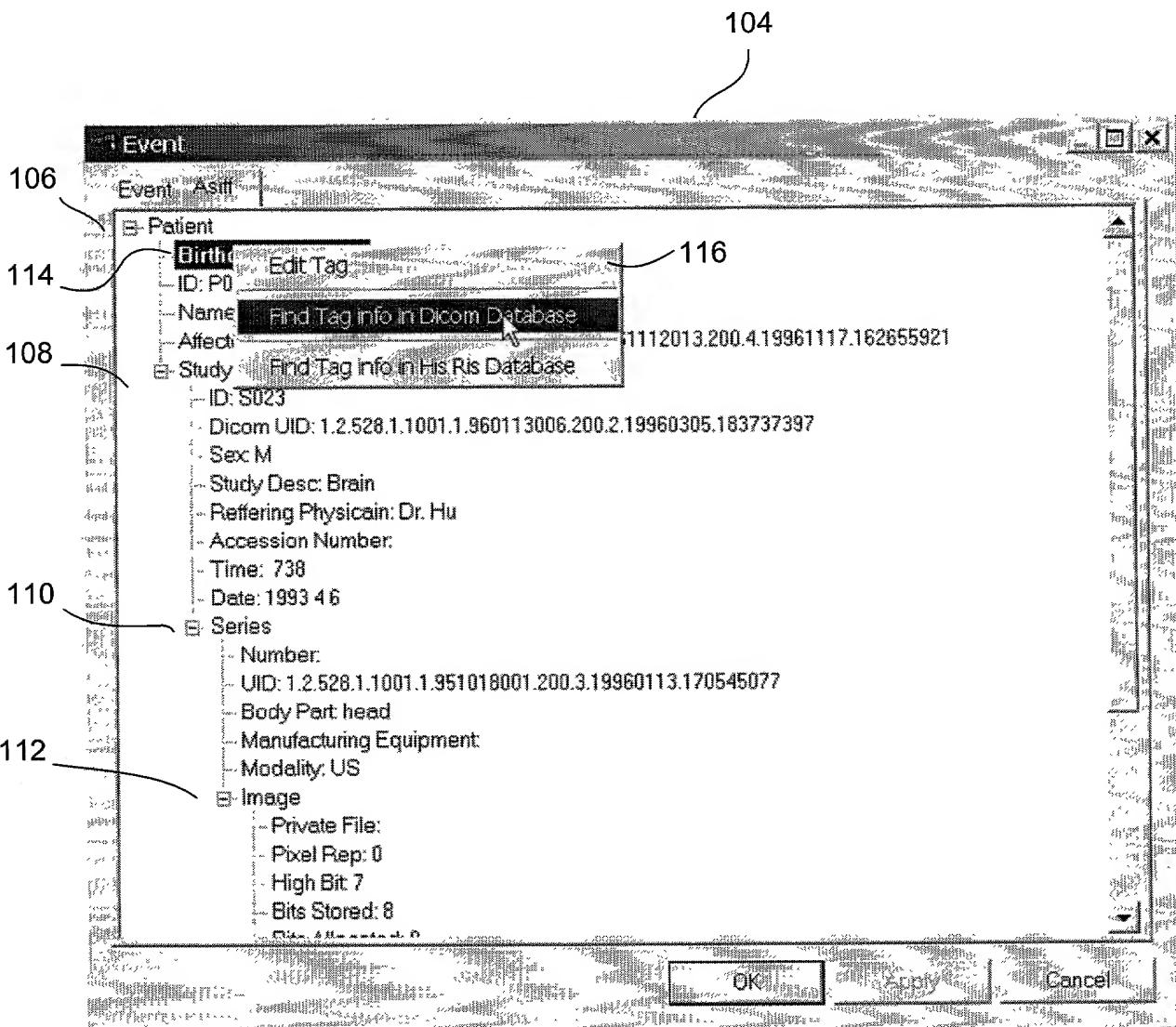


FIG. 12

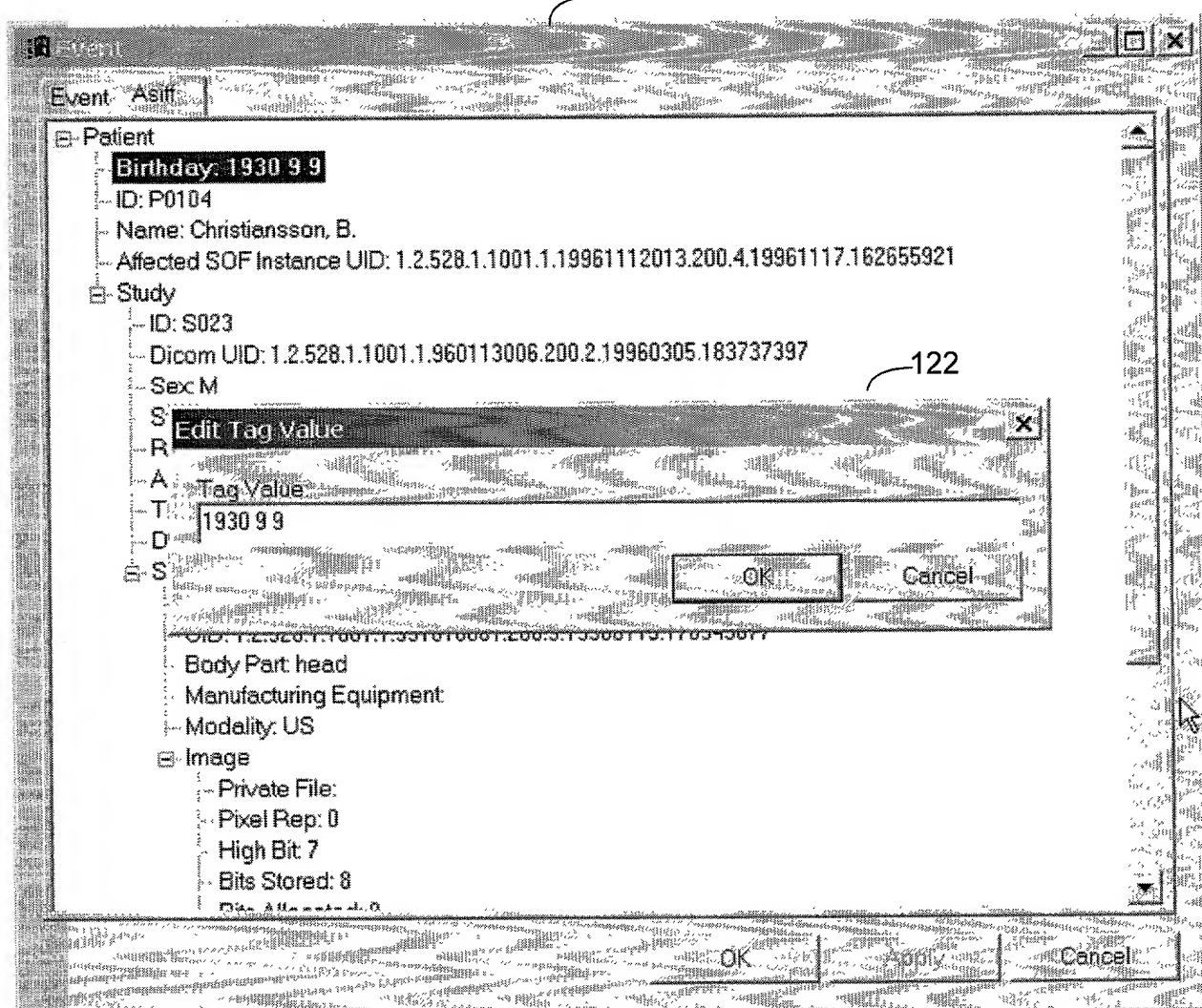


FIG. 13

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Patient Info

ID: P0104	Additional Patient Info
General Patient Info	
Dicom Family Name Complex	Christiansson Jason B. Dr M.D.
Practitioner	Dr.
First Name	Jason
Middle Name	B.
Last Name	CHRISTIANSSON
Suffix	M.D.
Birth Name	Smith
Birthday	9/9/1930
Birth Time	
Mother's Birth Name	Johnson

Other Patient IDs: P0103
Other Patient Names: John Doe
Medical Alerts: None
Contest Allergies: Not available
Additional History:
Comments: Test

OK Cancel

FIG. 14

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Image Info

SOP Class UID	1.2.840.10008.5.1.41.1.6	Key Image	<input type="checkbox"/>
SOP Instance UID	1.2.528.1.1001.1.19961112013.200.4.1996	Patient Orientation	NA
Number	1	Time	7:38:00 AM
Overlay Number	NA	Date	4/6/1993
Lut Number	NA	Series UID	1.2.528.1.1001.1.19961018001.200.3.199601
Curve Number	NA	OK	Cancel

FIG. 15

APPLICANT: DAVID GENDRON ET AL.  
TITLE: ROUTING AND STORAGE OF MEDICAL IMAGES  
ATTORNEY/AGENT: KENT J. SIEFFERT  
REG. NO. 41,312 TELEPHONE: 651.735.1100  
DOCKET NO.: 1027-001US01 SHEET 16 OF 20

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Series Info

Modality	US	Device Serial Number	NA
Number		Software Version	NA
Description	NA	Study UID	1.2.528.1.1001.1860113006.200.24
Operator Identification	NA	DICOM UID	1.2.528.1.1001.1860113006.200.31
Performing Physician	NA	Institution Name	
Secondary Capture Device ID	NA	Study Status ID	
Scheduled Station Name	NA	Manufacturer	
Requested Contrast Bolus Agent	NA	Manufacturer Model Name	NA
Contrast Bolus Agent	NA	OK	Cancel
Body Part	head		

FIG. 16

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Study Info		Patient Info at Time of Study	
DICOM UID:	1.2.5281.1001.1.960113008200.2.19960305183737	Patient ID:	P0104
ID:	5023	Sex:	M
Time:	7:38:00 AM	Age:	NA
Date:	4/6/1993	Weight:	NA
Referring Physician:	Dr. Hu	Size:	NA
Reading Physician:	NA	Occupation:	NA
Accession Number:		Telephone Number:	NA
Description:	Brain	Address:	NA
Result UID:	NA	Country of Residence:	NA
Reason:	NA	POB:	NA
Modality in Study:	NA	Cancel:	Cancel
Admit Diagnosis:	NA		
Interpretation Author:	NA		

FIG. 17

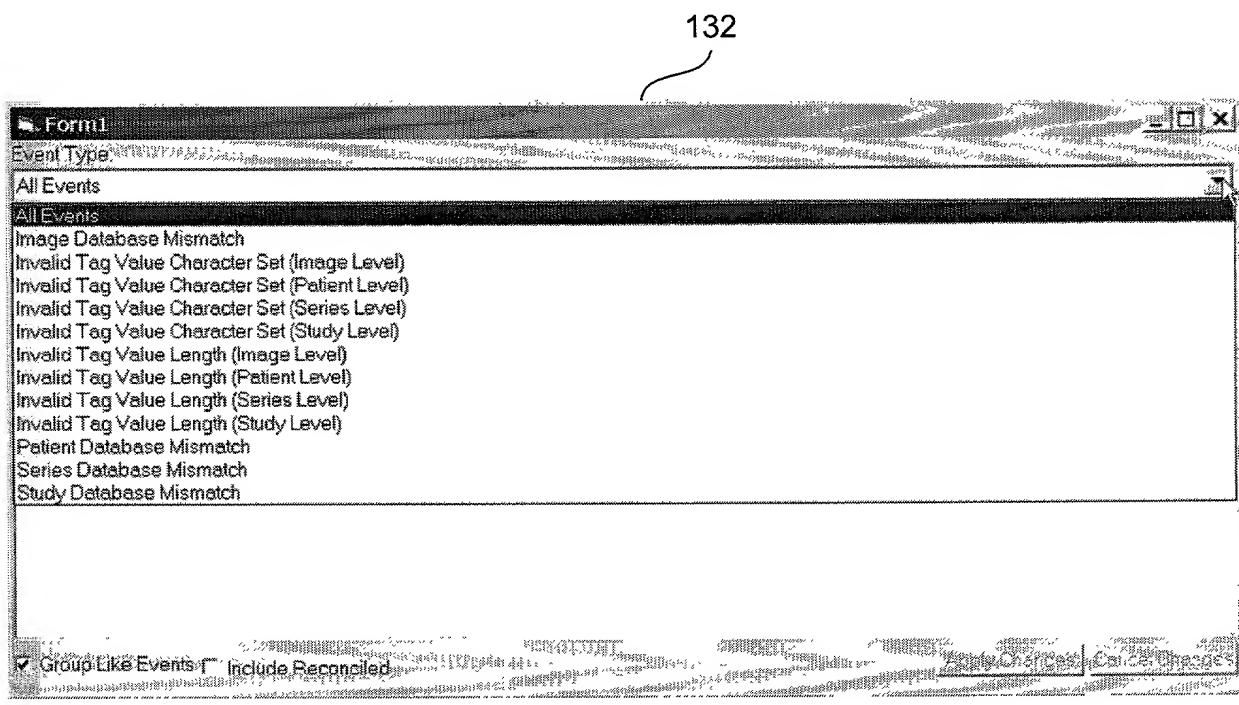


FIG. 18

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Search Engine

Patient

General Info

ID:

Prefix:

FirstName:

Middle Name:

Last Name:

Suffix:

Name Info

Christiansson Jason

S023 (Brain)

US

1

2

3

4

5

6

7

8

9

10

11

12

13

14

Add New Study

Edit Existing Patient

Delete Patient

Merge Patient

View Patient

Search

Advanced

Cancel

FIG. 19

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08002000 (0008,0020): Study Date. Decimal Tag: (0008,0032)  
08000000 Tag Length: 8  
3139393431323236 Tag Data: 19941226

08003000 (0008,0030): Study Time. Decimal Tag: (0008,0048)  
0c000000 Tag Length: 12  
3030303030302e3030303020 Tag Data: 000000.0000

08006000 (0008,0060): Modality. Decimal Tag: (0008,0096)  
02000000 Tag Length: 2  
4d52 Tag Data: MR

08007000 (0008,0070): Manufacturer. Decimal Tag: (0008,0112)  
18000000 Tag Length: 24  
5068696c697073204d65646963616c20 Tag Data: Philips Medical  
53797374656d7320 Tag Data: Systems

08008000 (0008,0080): Institution Name. Decimal Tag:  
(0008,0128) Tag Length: 16  
10000000 Tag Data: DOAI MEMORIAL HP  
444f4149204d454d4f5249414c204850

08003010 (0008,1030): Study Description. Decimal Tag:  
(0008,4144) Tag Length: 8  
08000000 Tag Data: C-SPINE  
432d5350494e4520

10001000 (0010,0010): Patient's Name. Decimal Tag: (0016,0016)  
12000000 Tag Length: 18  
4d522f43205350494e452f5453452f32 Tag Data: MR/C SPINE/TSE/2  
3536 Tag Data: 56

10003000 (0010,0030): Patient's Birth Date. Decimal Tag:  
(0016,0048) Tag Length: 8  
08000000 Tag Data: 19640731  
3139363430373331

10004000 (0010,0040): Patient's Sex. Decimal Tag: (0016,0064)  
02000000 Tag Length: 2  
4d20 Tag Data: M

FIG. 20